VI. METHODS OF MANAGEMENT: FACILITIES AND PROGRAMS TO BE USED

A. DISTRICT METHODS FOR MANAGEMENT OF SOLID WASTE

Table 6-1 presents the waste management methods used and processing capacity needed for each year of the planning period. The tons of solid waste managed by the District in 2005 were 196,528 tons (refer to Table 6-1). The landfill total in Table 6-1 is calculated by subtracting waste reduced and recycled from the tons of solid waste generated. In 2005, landfills reported that they disposed of 65,715 tons of solid waste in Ohio landfills including exempt waste.

Table 6-2 presents the summary of waste management methods for residential/commercial solid waste generated in the District. The District verified that 33,601 tons of residential/commercial waste was disposed in landfills in 2005. Approximately 7,389 tons of residential/commercial waste was recycled.

Table 6-3 presents a summary of waste management methods for industrial solid waste generated in the District. The District verified 3,202 tons of industrial solid waste was disposed in landfills in 2005. Approximately 123,424 tons of industrial solid waste was recycled.

Table 6-4A presents the historical landfill capacity needs and projections throughout the planning period. The District verified landfill capacity needs were 65,564 tons in 2005. By the end of the planning period the District will need to manage 68,866 tons of waste annually to be landfilled.

The information provided for recycling and landfilled solid waste for the year 2005 is based upon actual reported quantities from Table III-1.

B. DEMONSTRATION OF ACCESS TO CAPACITY

Tables 6-4A-E present the waste management methods used by the District. Each Table includes a projection of the amount of solid waste each facility may manage during each year of the planning period. The District depends on disposal in landfills as the primary method of managing waste. There is one landfill located within the District. The following analysis of regional landfill capacity assesses whether there is sufficient capacity available to manage the District's waste until 2023.

1. Regional Capacity Analysis

In 2005, the Holmes County Landfill managed the majority of the solid waste generated in the District. In 2005, 43,495 tons of solid waste generated in the District was disposed in our own landfill. Preliminary data for 2006 showed they had remaining airspace for 4.3 years at the Annual Maximum Daily Waste Receipt Limit (AMDWR).

In 2005, the District used seven landfills. Six of the facilities used by the District, within a short driving distance, have significant amounts of airspace remaining. Remaining capacity of these six landfills is reflected in the following table:

Landfill	Authorized Gross Airspace (CY)	Projected Remaining Life (Years)	Distance from District (Miles)
Holmes County Landfill	526,600	8.8	0
AWS American Landfill	5,400,000	20.5	22
Kimble Sanitary Landfill	44,538,149	70.4	12.8
Waste Management Suburban South	14,571,929	15.9	35
Countywide Landfill	67,766,253	33.9	11.3
Athens-Hocking Reclamation Center	15,797,000	60	47
Pine Grove Regional	19,178,373	9.1	56

The District is projecting it will dispose an average of 64,464 tons of solid waste and exempt annually throughout the planning period. The Kimble Sanitary Landfill, and Countywide Landfill each have a permitted lifespan that would allow them to handle the District's waste throughout the planning period. For the purposed of the analysis in Table 6-4A and future year projections on landfill capacity starting in 2006, the District assumes all waste will go to Kimble Sanitary Landfill from other landfills that cease operation or run out of permitted airspace before the end of the planning period.

Table 6-4D reflects the fact that starting in 2002 World Resources Recovery Systems took over recycling processing for the District's drop-off sites. At the same time, World Resources mandated that all recycling containers and product be scale weighed upon delivery. As explained in previous chapters, World Resources became the District's method of processing commodities with the closing of the Recycling Center as a processor in April 2001. At the same time, World Resources also began heavily servicing the commercial and industrial sectors both as a solid waste hauler and as a recycling collector. The figure in Table 6-4D reflects the impact this private recycler has made in our District. In addition, it costs the District nothing for this service, demonstrates increases in recycling numbers, and eliminated the District overhead dollars for the processing of recyclables.

C. SCHEDULE FOR FACILITIES AND PROGRAMS: NEW, EXPANSIONS, CLOSURES AND CONTINUATIONS

Table 6-5, Implementation Schedule for Facilities, Strategies, Programs and Activities: Dates and Description, presents descriptions and dates of operation for each facility, program and activity presented in the Plan Update. Programs for residential/commercial recycling, source reduction and awareness, industrial source reduction-recycling and awareness and other programs are presented in Table 6-5. These items were also presented in detail in Sections 4 and 5.

D. IDENTIFICATION AND DESIGNATION OF FACILITIES

Table 6-6 includes the solid waste facilities identified and current designations. The District continues to support an open market for the collection, transport and disposal of solid waste. As required in Section 3734.53(A)(13)(a) of the Ohio Revised Code, the District is identifying all Ohio licensed and permitted solid waste landfill, transfer and resource recovery facilities and all licensed and permitted out-of-state landfill, transfer and resource recovery facilities. The District is also identifying recycling and composting programs and facilities that are identified in Section III Inventories.

The District is not designating any facilities in this Plan Update.

E. AUTHORIZATION STATEMENT TO DESIGNATE

The Board is authorized to establish facility designations in accordance with Section 343.014 of the Ohio Revised Code upon approval of this Plan Update. In addition, facility designation will be established and governed by applicable district rules.

F. WAIVER PROCESS FOR THE USE OF UNDESIGNATED FACILITIES

The District is authorized to designate solid waste facilities. If the Board elects to designate solid waste facilities after this Plan Update is approved by the Director of the Ohio EPA, the following waiver process may be followed by any person, municipal corporation, township or other entity that wishes to deliver waste to a solid waste facility not designated by the District.

In the event that any person, municipal corporation, township or other entity requests permission to use a facility, other than a designated facility, for the disposal of solid waste generated within the District, the entity must submit a written request for a waiver of designation to the Board. The request must contain the following information:

1. Identification of the persons, municipal corporation, township or other entity requesting the waiver;

2. Identification of the generators(s) of the solid waste for which the waiver is requested;

3. Identification of the type and quantity (in tons per year) of solid waste for which the waiver is requested;

4. Identification of the time period(s) for which the waiver is requested;

5. Identification of the disposal facility(s) to be used if the waiver is granted;

6. If the solid waste is to be disposed in an Ohio landfill, a letter from the solid waste management district where the solid waste will be disposed, acknowledging that the activity is consistent with that District's current plan;

7. An estimate of the financial impact to the District that would occur with issuance of the requested waiver; and

8. An explanation of the reason(s) for requesting the waiver.

9. In addition, the request must include a statement that provides releases from Superfund or other environmental liability that may arise from the use of the undesignated facility and provides indemnification from any third party claims including, but not limited to, any federal or state agency.

Upon receipt of the written request containing all of the information listed above, District staff will review it and may request additional information necessary to conduct its review. The Board shall act on a waiver request within ninety days following receipt of the request. The Board may grant the request for a waiver only if the Board determines that:

1. Issuance of the waiver is not inconsistent with projections contained in the District's approved Plan Update under Section 3734.53 (A)(6) and (A)(7) of the Ohio Revised Code;

2. Issuance of the waiver will not adversely affect implementation and financing of the District's approved Plan Update; and

3. The entity is willing to enter into an agreement requiring the payment of a waiver fee to the District if the generation fee is not collected.

G. SITING STRATEGY FOR FACILITIES

The District's Siting Strategy includes the following:

Submission and Review of Plans and Specifications and Application of Siting Strategy to Proposed Solid Waste Facilities, Maximum Feasible Utilization and Exemption of Existing in-District Solid Waste Facilities.

DEFINITIONS

For the purposes of this section, the following definitions shall apply:

a. **Solid Waste Facilities** means all solid waste collection, storage, disposal, transfer, recycling, processing, and resource recovery facilities.

b. **Siting Strategy** means the process by which the Board of Directors (Board) shall review proposals for the construction or modification of any Solid Waste Facility and determine whether such proposal complies with the *Plan Update*.

c. **General Plans and Specifications** means that information required to be submitted to the Board for review for the construction or modification of any proposed Solid Waste Facility and includes, but is not limited to, a site plan for the proposed facility, architectural drawings or artists renderings of the proposed facility, the projected size and capacity of the proposed facility and all other information identified in this Siting Strategy.

d. **Applicant** means a person, Municipal Corporation, township or other political subdivision proposing to construct or modify a Solid Waste Facility within the District.

e. **Modify** means a significant change in the operation of an existing in-District Solid Waste Facility: (1) that requires the approval of the Director of the Ohio Environmental Protection Agency; or (2) that involves a change in the type of material, manner of operation, or activities conducted at the facility (i.e., a conversion of a legitimate recycling facility to a transfer station).

PURPOSE AND OBJECTIVE

The District's Siting Strategy for Solid Waste Facilities ensures that proposals to construct a new Solid Waste Facility within the District or modify an existing Solid Waste Facility within the District are in compliance with the *Plan Update*. The Board shall not approve the General Plans

and Specifications for any proposed Solid Waste Facility or the modification of any existing in-District Solid Waste Facility where the construction and operation of the proposed facility, as determined by the Board, will:

(1) Have significant adverse impacts upon the Board's ability to finance and implement the *Plan Update*;

(2) Materially and adversely affect the quality of life of residents within 300 feet of the proposed facility; or

(3) Have material adverse impacts upon the local community, including commercial businesses within 500 feet of the proposed facility and the adequacy of existing infrastructure to serve the proposed facility.

Except as otherwise provided herein, all proposed Solid Waste Facilities, whether to be sited by or on behalf of the District, or by or on behalf of any person, municipal corporation, township or other political subdivision, shall be subject to this Siting Strategy and shall comply with the requirement to submit General Plans and Specifications to the District.

a. Siting Procedure Limited Exemption:

Notwithstanding the foregoing requirement, existing in-District Solid Waste Facilities specifically identified in this Siting Strategy are not subject to this Siting Strategy unless the owner or operator of any such in-District Solid Waste Facility proposes a modification to the operation of the in-District Solid Waste Facility:

(1) that requires the approval of the Director of the Ohio Environmental Protection Agency; or

(2) that involves a change in the type of material, manner of operation or activities conducted at the facility (i.e., a conversion of a legitimate recycling facility to a transfer station).

b. Maximum Feasible Utilization of Existing In-District Solid Waste Facilities:

The Board has determined that the owners and operators of existing in-District Solid Waste Facilities rely on market factors in the determination of whether to expand or modify the facilities or current operations and activities at such existing facilities. The private corporate decisions of those owners and operators determine and establish the maximum feasible utilization of those existing in-District Solid Waste Facilities and the limited exemption for such existing in-District Solid Waste Facilities from the application of this Siting Strategy permits the owners and operators of those facilities to determine the maximum feasible utilization of those facilities. Other than the limited exemption from the application of this Siting Strategy, the Board has no additional obligation with respect to the continuing operation or modification of those facilities.

REQUIREMENTS

The District requires that General Plans and Specifications for all proposals to construct any new Solid Waste Facility within the District or modify any existing in-District Solid Waste Facility be

submitted for a determination by the Board of whether such General Plans and Specifications and the proposals comply with the *Plan Update*.

PROCEDURE IMPLEMENTING SITING STRATEGY

Unless otherwise provided herein, or an exemption or waiver from this requirement has been granted by the Board, the following procedure and process shall be followed in the event the construction of a new Solid Waste Facility or the modification of an existing in-District Solid Waste Facility is proposed within the District:

STEP 1: Submittal of Plans and Specifications

Any person, municipal corporation, township or other political subdivision proposing to construct a new Solid Waste Facility or modify an existing in-District Solid Waste Facility shall:

a. Provide General Plans and Specifications of the proposed facility to the Board. Such General Plans and Specifications shall include, but may not be limited to, the following documents and information:

   i. a site plan for the proposed Solid Waste Facility;

   ii. architectural drawings or artists renderings of the proposed Solid Waste Facility;

   iii. availability of necessary utilities;

   iv. projected size and capacity of the proposed Solid Waste Facility;

   v. hours of operation;

   vi. anticipated source of solid waste or recyclable materials to be received at the proposed Solid Waste Facility. If recycling activities will be conducted at the proposed facility, a detailed description of the recycling activity including materials to be recycled, technology to be utilized to accomplish the separation and processing of the recyclable materials, the anticipated percentage of waste reduction anticipated from the operation of the facility and the identification of the market for the sale of the recyclable materials recovered at the facility must be submitted;

   vii. types and anticipated number of vehicles utilizing the proposed Solid Waste Facility on an hourly and daily basis;

   viii. routes to be used by vehicles utilizing the facility and methods of ingress and egress to the facility; and

   ix. any other information necessary for the Board to evaluate whether the proposed Solid Waste Facility complies with each of the criteria listed below.

b. Adequately demonstrate to the Board that the construction or modification and subsequent operation of the proposed Solid Waste Facility will:

i. be consistent with the goals, objectives, projections and strategies contained in the *Plan Update*;

ii. not adversely affect financing for the implementation of the *Plan Update*;

iii. be installed, operated and maintained to be harmonious and appropriate in appearance and use with the existing or intended character of the area;

iv. be adequately served by essential public facilities and services;

vii. not create excessive additional requirements at public cost for public facilities or services;

viii. not be detrimental to the economic welfare of the community;

ix. not involve the excessive production of traffic, noise, smoke, fumes or odors;

x. have vehicular approaches to the property that are designed not to create an interference with traffic;

xi. not result in the destruction, loss or damage of a natural, scenic, or historic feature of major importance; and

xii. not adversely affect property values within the surrounding community.

c. The applicant shall submit any additional information as the Board requests to establish, to the reasonable satisfaction of the Board, that the construction or modification and subsequent operation of the proposed Solid Waste Facility or proposed modification of an existing in-District Solid Waste Facility will comply with the *Plan Update*.

STEP 2: Board Review

The Board shall conduct a review of the information submitted for the proposed Solid Waste Facility to determine whether the Applicant has adequately demonstrated that the proposed Solid Waste Facility will be constructed or modified and subsequently operated in compliance with the *Plan Update* and demonstrated that the impacts listed in Step I do not adversely affect the District, its residents and businesses. The Board may expend District funds to employ a consultant or consultants familiar with Solid Waste Facility construction and operation, land use planning and solid waste planning to assist the Board in implementing this Siting Strategy and in its determination of whether a proposed Solid Waste Facility or modification of an existing in-District Solid Waste Facility complies with the *Plan Update*.

Within sixty days of receiving the General Plans and Specifications from an applicant, the Board shall make a determination as to whether the General Plans and Specifications submitted by the applicant contain sufficient information for the Board to complete its review of the proposal. In the event the Board determines that more information is necessary to complete its review of the proposal, the Board shall notify the Applicant of such request in writing within ten days.

Within ninety days of determining that the Applicant has submitted a complete set of General Plans and Specifications, the Board shall determine whether the proposal complies with the *Plan Update* and the criteria identified in Step 1 herein. The Board shall notify the Applicant of its decision in writing. While the Board has broad discretion regarding the approval of General

Plans and Specifications for a proposed Solid Waste Facility or modification of an existing in-District Solid Waste Facility, it is the intent of this Siting Strategy that the Board shall not approve General Plans and Specifications for a proposed Solid Waste Facility unless the Board determines that the proposed Solid Waste Facility or modification of an existing in-District Solid Waste Facility complies with the *Plan Update* and the criteria identified in Step 1 herein.

STEP 3: Development Agreement

In the event the Board determines that the proposed construction or modification and subsequent operation of a Solid Waste Facility complies with the *Plan Update*, the person, municipal corporation, township or other political subdivision proposing to construct or modify the Solid Waste Facility shall enter into a development agreement with the District which memorializes the obligations that are the basis of the Board's conclusion that the General Plans and Specifications demonstrate that the proposed facility or its modification complies with the *Plan Update*. The party proposing to construct a Solid Waste Facility shall have an ongoing obligation to comply with the *Plan Update* and the development agreement.

WAIVER

The Board reserves the right to waive application of the requirement for the submission and Board approval of General Plans and Specifications, and any portion or all of the Siting Strategy or otherwise grant exceptions to the rules of the District, or unilaterally modify or amend the Siting Strategy if the Board concludes such waiver, modification or amendment is in the best interest of the District, its residents and businesses and will assist the Board in the successful implementation of the *Plan Update* and further District goals with respect to solid waste and waste reduction activities.

A determination by the Board to construct or modify any District-owned Solid Waste Facility shall be deemed to be in compliance with the *Plan Update* and the other requirements of these rules without additional review.

H. CONTINGENCIES FOR CAPACITY ASSURANCE AND DISTRICT PROGRAM IMPLEMENTATION

The District will implement the contingency plan outlined in this section of the Plan Update if there is an interruption in composting, recycling, transfer facility or landfill capacity for a period of time that would be detrimental to the health and safety of District residents. If the Board determines there is a public health and safety threat due to an interruption in landfill capacity, the following will be implemented.

1. The District will conduct a survey to determine the solid waste disposal needs for District political jurisdictions, commercial, industrial and institutional companies/facilities. If after completing the survey the District Coordinator determines that it is in the best interests of the political jurisdictions, commercial facilities, industries and institutions to allow them the opportunity to bid their waste to the company with the best service and price, the District Coordinator will make the recommendation to the Board to take no further action. If the Board receives input from the surveys that some action is needed then the following should be considered as part of the management contingency for District solid waste.

2. After considering the results of the survey, the Board of Director's may elect to pursue any of the following:

    a. Prepare a bid specification to solicit bids from regional landfills to accept District solid waste.

    b. Develop a District-wide disposal cooperative with local political jurisdictions to obtain a fixed disposal price for a specified term.

    c. Initiate action to site either a public or private solid waste transfer or solid waste disposal facility.

The District Coordinator will make a recommendation to the Board on the course of action to take within 120 days of confirmation of an interruption of landfill capacity. Additionally, the District will develop an alternative source of revenue if there is an interruption in landfill capacity. The Board will direct the District Coordinator to develop alternatives for revenue generation to assure program implementation as part of the management plan for the disposal of District solid waste.

As stated previously, the District has some legitimate concerns about the future status of the Holmes County Landfill regarding both the capacity of 4.3 years and the financial status of the contracted landfill operator. Should the operator be unable to continue landfill operations and closure become realistic, there are other operators who have voiced sincere interest in taking over the contract and operations immediately. Should these interested parties withdraw their desire, the District will need to rely on nearby Kimble Landfill and Countywide Landfill to handle the District's waste. Both sites have ample capacity to satisfy the Districts needs and already existing waste haulers to transport to those sites.

Table VI-1
Waste Management Methods Used and Processing Capacity Needed for Each Year of the Planning Period

Year	Tons of SW Generated	Tons Source Reduced	Net Tons to be Managed by SWMD	Management Method Used and Processing Capacity Required in TPY							
				Waste Reduction	Transfer	Yard Waste Composting	Gross Incinerated	Ash Landfilled	YW Land Application	MSW Composting	Landfilling
2005	196,528	0	196,528	130,813	151	0	0	0	0	0	65,715
2006	192,063	0	192,063	132,235	153	0	0	0	0	0	59,828
2007	196,364	0	196,364	136,972	154	0	0	0	0	0	59,392
2008	195,636	0	195,636	137,657	156	0	0	0	0	0	57,979
2009	197,156	0	197,156	138,350	157	0	0	0	0	0	58,806
2010	198,686	0	198,686	139,033	159	0	0	0	0	0	59,653
2011	200,004	0	200,004	139,666	160	0	0	0	0	0	60,338
2012	201,330	0	201,330	140,311	162	0	0	0	0	0	61,019
2013	202,665	0	202,665	140,938	164	0	0	0	0	0	61,727
2014	204,009	0	204,009	141,578	165	0	0	0	0	0	62,431
2015	205,362	0	205,362	142,234	167	0	0	0	0	0	63,128
2016	206,694	0	206,694	142,857	168	0	0	0	0	0	63,837
2017	208,032	0	208,032	143,496	170	0	0	0	0	0	64,536
2018	209,381	0	209,381	144,152	172	0	0	0	0	0	65,229
2019	210,739	0	210,739	144,782	174	0	0	0	0	0	65,957
2020	212,107	0	212,107	145,429	175	0	0	0	0	0	66,678
2021	213,487	0	213,487	146,094	177	0	0	0	0	0	67,392
2022	214,878	0	214,878	146,735	179	0	0	0	0	0	68,143
2023	216,277	0	216,277	147,391	181	0	0	0	0	0	68,886

Source:

Tons of SW Generated from Table V-4.
Tons of SW source reduced from Table V-6
Tons of Gross Incineration from Table VI-4B
Tons of Ash Landfilled from Tablle III-2

Sample Calculations

2005 Net Tons to be Managed by SWMD = Tons of SW Generated - Tons Source Reduced

196,528-0=196,528

2005 Waste Reduction Capacity Required = Residential/Commercial Waste Reduction + Industrial Waste Reduction

7,389+123,424-132,235

2005 Transfer Capacity Required = 151 in reference year / 1% increase annually throughout planning period

2005 Landfilling Required = Net Tons to be Managed by SWMD - Recycling - Yard Waste Composting-(Gross Incineration - Ash Landfilled)

196,528-130,813=65,715

Table VI-2
Summary for Residential/Commercial Waste Management Methods

Year	Tons Generated	Management Method in TPY				
		Source Reduction & Recycling	Incineration	Composting	Landfilling	Ash Disposal
2005	40,990	7,389	0	0	33,601	0
2006	35,679	8,812	0	0	26,867	0
2007	39,128	10,007	0	0	29,121	0
2008	37,543	10,133	0	0	27,410	0
2009	38,201	10,265	0	0	27,936	0
2010	38,863	10,385	0	0	28,478	0
2011	39,307	10,451	0	0	28,856	0
2012	39,754	10,528	0	0	29,227	0
2013	40,205	10,584	0	0	29,621	0
2014	40,659	10,650	0	0	30,008	0
2015	41,116	10,730	0	0	30,386	0
2016	41,546	10,775	0	0	30,772	0
2017	41,978	10,832	0	0	31,145	0
2018	42,413	10,904	0	0	31,509	0
2019	42,852	10,948	0	0	31,904	0
2020	43,296	11,007	0	0	32,289	0
2021	43,744	11,079	0	0	32,665	0
2022	44,199	11,125	0	0	33,074	0
2023	44,655	11,184	0	0	33,471	0

2005 Sample Calculations

Tons of Generated - See Table V-4

Source Reduction & Recycling Tons Managed - See Table V-5

Composting Tons Managed - See Table VI-1

2004 Landfilling = Tons Generated - Source Reduction & Recycling - Composting

40,990-7,389=33,601

Table VI-3
Summary for Industrial Waste Management Methods

Year	Tons Generated	Management Method in TPY				
		Source Reduction & Recycling	Incineration Waste Reduction	MSW Composting	Landfilling	Ash Disposal
2005	126,626	123,424	0	0	3,202	0
2006	127,183	123,423	0	0	3,760	0
2007	127,743	126,965	0	0	778	0
2008	128,305	127,524	0	0	781	0
2009	128,869	128,085	0	0	784	0
2010	129,436	128,648	0	0	788	0
2011	130,006	129,215	0	0	791	0
2012	130,578	129,783	0	0	795	0
2013	131,152	130,354	0	0	798	0
2014	131,730	130,928	0	0	802	0
2015	132,309	131,504	0	0	805	0
2016	132,891	132,082	0	0	809	0
2017	133,476	132,664	0	0	813	0
2018	134,063	133,247	0	0	816	0
2019	134,653	133,834	0	0	820	0
2020	135,246	134,422	0	0	823	0
2021	135,841	135,014	0	0	827	0
2022	136,438	135,608	0	0	831	0
2023	137,039	136,205	0	0	834	0

2005 Sample Calculations

Tons Generated - See Table V-4

Source Reduction & Recycling Tons Managed - See Table V-6

Landfilling = Tons Generated - Source Reduction & Recycling - Incineration Waste Reduction - MSW Composting
2005 Landfilling

126,626-123,424=3,202

Table VI-4A
Waste Management Method: Landfill

Facilities Used by District Name and Location (County & State)	Average Daily Waste (Tons)	Remaining Capacity		Airspace (cubic yds)	Tons of District SW Managed																		
		Years	Data Source	Gross	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
HOLMES COUNTY LANDFILL	200	4.3	OEPA	526,600	43,495	39,589	39,298	38,360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AWS AMERICAN LANDFILL	5,285	24	OEPA	5,400,000	173	157	156	153	155	157	159	161	162	164	166	168	170	172	174	175	177	179	181
KIMBLE SANITARY LANDFILL	1,525	70	OEPA	44,538,149	16,378	17,553	17,424	17,008	56,159	56,968	57,622	58,273	58,949	59,622	60,288	60,965	61,633	62,295	62,990	63,679	64,361	65,079	65,788
MT. EATON EAST LANDFILL	0	0	OEPA	0	2,898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WMI COUNTYWIDE R&D FACILITY	5,238	33.9	OEPA	67,766,253	2,397	2,182	2,166	2,114	2,144	2,175	2,200	2,225	2,251	2,276	2,302	2,328	2,353	2,378	2,405	2,431	2,457	2,485	2,512
WMI SUBURBAN SOUTH LANDFILL	2,359	15.9	OEPA	14,571,929	214	195	193	189	191	194	196	199	201	203	206	208	210	212	215	217	219	222	224
ATHENS HOCKING RECLAIMATION	645	60	OEPA	15,797,000	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PINE GROVE REGIONAL LANDILL	697	91	OEPA	19,178,373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total				**167,251,704**	**65,564**	**59,676**	**59,238**	**57,824**	**58,649**	**59,494**	**60,177**	**60,857**	**61,564**	**62,266**	**62,961**	**63,668**	**64,366**	**65,058**	**65,783**	**66,503**	**67,215**	**67,964**	**68,705**

Source:
OEPA's "Approval,Pending and Remaining Capacity at Ohio's Publicly-Available Landfills" (2005) and "Tons of Solid Waste Accepted into Ohio's Landfills for 2005."
2005 values form Table III-1.
Projected Total is from Table VI-1.
Projected value for each landfill is calculated as a ratio based on the 2005 distribution.

$$\text{Holmes County Landfill 2006} = \frac{\text{Holmes Landfill 2005}}{\text{Total 2005}} \times \text{Total 2006}$$

$$39{,}677 = \frac{43{,}495}{65{,}564} \times 59{,}808$$

Table VI-4B
Waste Management Method: Incinerator

Facilities Used by District Name and Location (County & State)	Average Daily Waste (Tons)	Remaining Capacity		Airspace (cubic yds)		Tons of District SW Managed																		
		Years	Data Source	Gross	Net	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Totals						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes N/A=Not Available

Table VI-4C
Waste Management Method: Transfer

Facilities Used by District Name and Location (County & State)	Tons of District SW Managed																		
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Kimble Transfer Station-Canton	131	132	134	135	136	138	139	140	142	143	145	146	148	149	151	152	154	155	157
Kimble Transfer Station-Cambridge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Medina County Recovery	18	18	18	19	19	19	19	19	19	20	20	20	20	20	21	21	21	21	22
BFI Transfer Facility, Mansfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AWI Transfer Facility, Mansfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**151**	**153**	**154**	**156**	**157**	**159**	**160**	**162**	**164**	**165**	**167**	**168**	**170**	**172**	**174**	**175**	**177**	**179**	**181**

Source:
Table 3-2; Table 6-1

Table VI-4D
Waste Management Method: Recycling

Facilities Used by District Name	County	Tons of District SW Managed																		
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
World Resources Recovery	Holmes	7,389	8,895	10,194	10,398	10,606	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other recycling facilitites used by the residential/commercial and industrial sectors	Varies	123,424	123,340	126,778	127,259	127,744	139,033	139,666	140,311	140,938	141,578	142,234	142,857	143,496	144,152	144,782	145,429	145,429	146,094	147,391
Total		**130,813**	**132,235**	**136,972**	**137,657**	**138,350**	**139,033**	**139,666**	**140,311**	**140,938**	**141,578**	**142,234**	**142,857**	**143,496**	**144,152**	**144,782**	**145,429**	**145,429**	**146,094**	**147,391**

Source:
Table 5-5; Table 5-6
Assumption: It is assumed World Resources Recovery Systems will no longer be our primary residential recycler when the landfill is at capacity which is anticipated to be about mid-2009. (In 2005, the OEPA stated there was 4.3 years of life at the Holmes County Landfill.) Other recyclers are being contacted now in anticipation of this occurrence.

Table VI-4E
Waste Management Method: Composting

Facilities Used by District Name and Location (County & State)	County	State	Tons of District SW Managed																		
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
None	n/a	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Source:
The total composted is from Table VI-1.

Table VI-5
Implementation Schedule for Facilities,
Strategies, Programs and Activities: Dates and Description

Name of Facility, Strategy, Program or Activity	Program Number	Location (SWMD, County, City/Township	Description of Program/Facility	Approximate Date When the Following Will Take Place	
				Operations	Operations Cease
District Facilities					
Homes County Landfill	n/a	District	Solid Waste Landfill	Ongoing	2009
Residential Recycling and Waste Reduction Programs					
Curbside Recycling					
Curbside Recycling Program	n/a	Millersburg	Non-subscription curbside recycling program	July, 2006	Ongoing
Drop-off Recycling					
Berlin Village	n/a	Berlin Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Glenmont Village	n/a	Richland Twp.	Full Time Drop-Off Recycling Center	1992	2009
Millersburg Village	n/a	Hardy Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Millersburg Village	n/a	Hardy Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Winesburg Village	n/a	Paint Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Walnut Creek Village	n/a	Walnut Ck. Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Killbuck Village	n/a	Killbuck Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Clark Village	n/a	Mechanic Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Mt. Hope Village	n/a	Salt Creek Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Holmesville Village	n/a	Prairie Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Lake Buckhorn Comm.	n/a	Lake Buckhorn	Full Time Drop-Off Recycling Center	2001	2009
Nashville Village	n/a	Ripley Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Charm Village	n/a	Clark Twp.	Full Time Drop-Off Recycling Center	1992	2009
Farmerstown Village	n/a	Clark Twp.	Full Time Drop-Off Recycling Center	1992	Ongoing
Lakeville Village	n/a	Washington Twp.	Full Time Drop-Off Recycling Center	1995	Ongoing
Holmes Co. Jail	n/a	Millersburg	Full Time Drop-Off Recycling Center	2001	Ongoing
Pomerene Hospital	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
MRDD Training Center	n/a	Millersburg	Full Time Drop-Off Recycling Center	2001	Ongoing
Holmes Co. Home	n/a	Millersburg	Full Time Drop-Off Recycling Center	2001	Ongoing
Hiland High School	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
West Holmes High School	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
Millersburg Elementary	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
West Holmes Jr. High	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
Killbuck Elementary	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
Clark Elementary	n/a	Millersburg	Full Time Drop-Off Recycling Center	1992	Ongoing
Recycling Center	n/a	District	Full Time Drop-Off Recycling Center	1986	Ongoing
Drop-off Recycling Programs	n/a	District	The District continues to operate a system of 26 voluntary drop-off recycling sites and two privately located sites throughout the county. These sites are available to the general public 24/7 and are the key to our successful program. District personnel regularly collect the recycling bins from the sites, and deliver them to the Recycling Center where they are sorted for further transport. The actual processing of recyclables at the Center terminated effective April 17, 2001, but the Center remained a drop-off site and sorting facility. A private recycling company transports the recyclables to their Cleveland MRF where the processing will take place. For all intents and purposes, the recycling program in the county has not been negatively affected by this change. In fact, it should be enhanced because a more routine schedule for bin collection can be established.	1992	Ongoing
Office Paper recycling Program County Government Offices	n/a	District		Ongoing	Ongoing

Name of Facility, Strategy, Program or Activity	Program Number	Location (SWMD, County, City/Township	Description of Program/Facility	Approximate Date When the Following Will Take Place	
				Operations	Operations Cease
Residential Sector Education and Awareness Programs					
Scrap Tire Program	n/a	District	During the Planning Period scrap tire collections will continue as in the past: at special tire amnesty days, HHW collection times and daily at the Holmes County Landfill. The scrap tire program along with tire retailer's acceptance of waste tires when new tires are purchased helps to ensure tires are properly managed. The District has not has any open dumps for tires since 1997. This is due to a pro-active approach to educate the citizens that there are alternatives for them to use.	Ongoing	Ongoing
Household Hazardous Waste Collection Program	n/a	District	The District has coordinated HHW collections days since 1997. Starting that year, the District has hosted one-day events triennially. The next HHW collection day is scheduled to be held in 2009. The District contracts with a private contractor for the event. Materials collected include (but not limited to) oil, all paints, antifreeze, flammables, pesticides, bases/acids, aerosols, all batteries, mercury, dioxins, household cleaners, propane cylinders, scrap tires, and electronics. The private contractor may assist the District with managing traffic, collecting survey data, and other District requirements. The District will develop and implement an advertising plan for the event. The District HHW program is held at a centralized location and is available to all residence of the county. This program will continue in the new Planning Period. As in the past and continuing through 2023, the District will support HHW collections via mass media advertising. With continuing rising costs associated with HHW activities, the advertising and promotion of this activity is very minimal.	Ongoing	Ongoing
Appliance Recycling Program	n/a	District	The District has conducted a white goods collection program since 1992. The District will continue to contract with a private recycler to properly recycle appliances. In Holmes County, appliances are collected in two methods: (1) at the Landfill where residents may drop them off free of charge six days a week all year; (2) at special community recycling events held at the villages of Glenmont and Millersburg and Ripley Township. These have been very successful and will continue throughout the Planning Period.	Ongoing	Ongoing
Electronics Recycling Program	n/a	District	Beginning in 2004, the District initiated a full-time recycling program devoted to electronic items and cellular phones servicing all the residents of Holmes County. This program had its beginning in mid-2003 as part of the District's HHW collection drive in which over three tons of electronics were collected for recycling. The District is contracted with RET3 out of Cleveland. This organization refurbishes the components and provides them free of charge to people with handicaps, limitations, and special needs, and to institutions that serve these individuals. The program is open to residents, commercial users and the industrial sector. They may drop off their items at the District's Recycling Center on weekdays. We anticipate collecting approximately 21 ton of these items per	Ongoing	Ongoing
Lead-Acid Battery and Used Oil Program	n/a	District	The lead-acid battery collections throughout the year and at HHW collection events will remain the same throughout the new planning period.	Ongoing	Ongoing
All Special Collection Events (HHW, Scrap Tires, Appliances, Electronics, Oil)	n/a	District	The District will operatethese programs as previously discussed in Sections IV and V but each program will be offered on a fee for service basis. Residents will be required to pay per unit (lbs, car, item, other) of materials collected and recycled in order to use the program.	Ongoing	2010

Name of Facility, Strategy, Program or Activity	Program Number	Location (SWMD, County, City/Township	Description of Program/Facility	Approximate Date When the	
				Operations	Operations Cease
Residential Sector Education and Awareness Programs					
Recycling Brochure	n/a	District	The District will publish a Directory of Recycling Programs. This publication will include information about drop-offs and recycling opportunities. The District will revise the Directory annually. It will also include information on source reduction, recycling, composting and buying recycled products.	Ongoing	Ongoing
Advertising Campaigns	n/a	District	The District will develop an advertising campaign to encourage recycling and waste reduction. The campaign will begin in the spring 2009. The Program Manager will use newspaper, billboards, TV, radio and other general media methods to achieve this goal.	Ongoing	Ongoing
School Presentations	n/a	District	The District will add new emphasis to its outreach programming. The District has conducted school presentations and teacher workshops for many years in both public and private schools. In 2007, over 100 presentations were made to elementary and secondary classes. Although grant funding through ODNR was discontinued, the District continued to fund this activity because it saw it as essential to assist with recycling goals.	Ongoing	Ongoing
Community Presentations	n/a	District	The District will continue to make presentations upon request from civic organizations to garden clubs, from church groups to community leadership fraternities. This strategy needs to be re-energized to gain more frequency.	Ongoing	Ongoing
District Tabloid	n/a	District	The District will publish a tabloid newsletter and distribute to interested residents, political jurisdictions, and commercial/industrial facilities	Ongoing	Ongoing
Green Team Newsletter	n/a	District	The quarterly newsletter Green Team will continue to be published throughout the Planning Period. It originally was published in conjunction with the Holmes County Soil and Water District who changed their educational emphasis from children to adults, and no longer needed this publication. Now published solely by the District, this newsletter is designed to meet the curriculum/activity needs for the teacher, aide, administrator, home schooled.	Ongoing	Ongoing
Other Publications	n/a	District	The District will annually publish, update and distribute the following publications. Distribution will take place during presentations or upon request by interested parties: "Recycling Means Business," Recycling Activity Books, "Earthworks" Recycling Booklets, Recycling Coloring Books, Composting Booklets, HHW Wheels, Litter Law Books, and numerous others furnished by ODNR.	Ongoing	Ongoing
Yard Waste Mangement	n/a	District	The District currently and in the new planning period will continue to promote yard waste programs during public presentations, mailings to the general public about recycling activities and composting possibilities. The District will promote yard waste alternatives through its weekly "question/answer" column in local newspapers.	Ongoing	Ongoing

Name of Facility, Strategy, Program or Activity	Program Number	Location (SWMD, County, City/Township	Description of Program/Facility	Approximate Date When the	
				Operations	Operations Cease
Commercial/Industrial Sector Technical Assistance and Education Programs					
Commercial/Industrial Sector Education and Awareness Program: Source Reduction/Recycling	n/a	District	Brochures – The District will develop and publish a brochure focused on source reduction and recycling for industrial facilities as well as to commercial/institutional generators. The brochure will feature information about recycling opportunities in Holmes County. It will also include information about local recycling facilities, brokers, haulers, and buying recycled products. This publication will be distributed annually by mass mailing as well as upon request. Some of the brochures target specific waste streams such as cardboard and fibers, metals and plastics. Interaction in person and by telephone will dictate their personal needs. In the past, the District conducted waste assessments for both commercial and industrial facilities. This activity will continue throughout the Planning Period. The District will provide an opportunity for survey respondents to express an interest in receiving a waste assessment on their survey document. As part of this assessment, information and assistance will be provided regarding source reduction and recycling issues.	Ongoing	Ongoing
Other Programs					
Health Department	n/a	District	The District will continue to cooperate and assist the Holmes County Health Department with the enforcement of solid waste regulations. This will include inspection of the landfill, any illegal dumps, and other health-related solid waste issues.	Ongoing	Ongoing
Legal	n/a	District	The District may solicit legal advice for important solid waste management issues from the County's prosecutor's office as well as outside counsel. These individuals will assist with the negotiation of contracts, enforcement issues, flow control, and other legal issues impacting the District	Ongoing	Ongoing
General Plan Implementation	n/a	District	The District will anticipate time and funds for the development of new programs as the need arises. The outreach programming for the District was supported via ODNR grants through 2006. The grant program was discontinued. The District has a high priority for educational outreach and technical assistance activities. Thus, these programs are now supported by the District as part of its commitment to the constituents of Holmes County.	Ongoing	Ongoing

Table VI-6
Facilities Identified and Current Designations

Facilities Identified	
Landfills	
Name	**Location (SWMD)**
American Landfill	Stark, Wayne, Tuscarawas SWMD
Kimble Sanitary Landfill	Stark, Wayne, Tuscarawas SWMD
Holmes County Landfill	Holmes County SWMD
Countywide R&D Facility	Stark, Wayne, Tuscarawas SWMD
Suburban South R.D.F. (WMI)	Coshocton-Fairfield-Licking-Perry SWMD
Athens Hocking Landfill	Athens-Hocking SWMD
Noble Road Landfill (BFI)	Richland County SWMA
Pine Grove Regional Facility	Coshocton-Fairfield-Licking-Perry SWMD
Ohio EPA licensed solid waste landfills	
Transfer Facilities	
Kimble Transfer Facility-Canton	Stark, Wayne, Tuscarawas SWMD
Kimble Transfer Facility-Cambridge	Guernsey County SWMD
Richland Transfer Facility	Richland County SWMA
Medina County Material Recovery Facility	Medina County SWMD
Recycling Facilities	
Presented in Section 3 of this Plan	
Designated Facilities	
No Designated Facilities	